

## Henner Büsching

**Research Associate** 

# My work in the PHENIX-BNL group

Annual DOE/Nuclear Physics Review of RHIC Science and Technology 2006

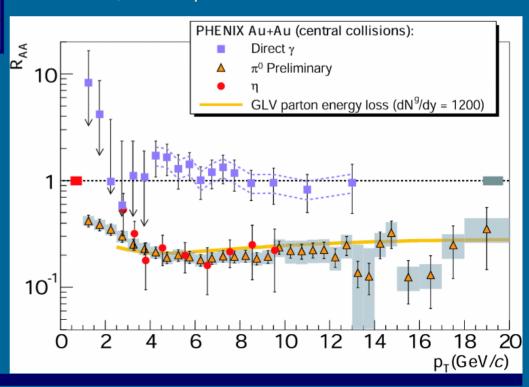


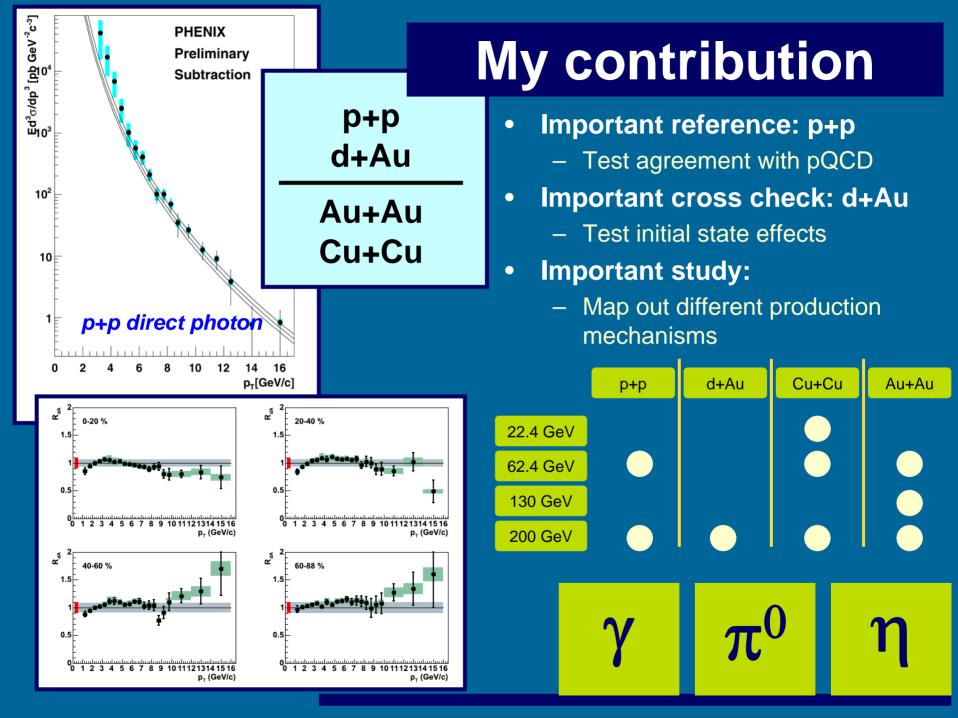
#### TEC Magnet PbSc PbSc $\pi^0,\eta$ RICH BB PbSc MVD PC1 PC1 PbSc TOF West Beam View East



## Introduction: $\gamma, \pi^0, \eta$

- Focal point: High p<sub>T</sub> physics
- EMCal: led by BNL group
- Ideal source of information: π<sup>0</sup>, η, γ
  - Identified Particles
  - Test different aspects of medium
  - Highest p<sub>⊤</sub> measured at RHIC





## My conclusion

- BNL group has a key status within the PHENIX collaboration
- Opportunities for young group members
  - Participation in leading analyses of the collaboration
  - Participation in important detector projects
  - Possibility to take responsibilities
- Potential to advance scientific career as postdoc:
  - I am co-convenor of PHENIX photon physics working group
  - I am/was member of 4 paper preparation groups
  - I am/was member of two internal review committees
  - I organized the PHENIX Focus seminar series for the last three years
  - I could participate in the BNL outreach programs
  - I was selected PHENIX plenary speaker at Quark-Matter 2005
- I will move on to Frankfurt University/Germany very soon